Notebook, N-13-10-20.1

only one of Alumin. gives good 1/2

Deep 4454 1 Al – 2 KCl	4472 4473	1127 1133	653 600	1533 1493	320 323	0 0	0 0	0 0
Deep 4454 1 Al 2 Fluoride Soda	4474 4475	983 983	~~No discharge~~					
Deep 4454 1 Al – 2 fluoride Potash	4476 4477	1093 1093	~~No discharge~~					
Deep 4454 1 Al – 2 arsenite Potash	4478 4479	1100 1120	~~23 183~~	~~33 843~~	~~250 233~~			
Deep 4454 1 Al 2 Arsenate Soda	4480 4481	1110 1110	~~No discharge~~					
Deep 4454 1 Al – 1 gm Ammonium	4482 4483	917 957	~~No discharge~~					
1256 – mixed with 10% Bi2O3 fused from 100 on 190 1% Cobalt Oxide " " 2550 7732 7752	4484 4485		1570 1510	1587 1550	1057 1077	1533 1580	1600 1643	1077 933

			50	1/2	H	100	1/2	Hd
Dup 4484 10% anhydrous Bi but 2% Cobalt Hydrox 7665 7646	4486 4487	1240 1217	1520 1543	1550 1567	1107 1017	1570 1583	1600 1637	1020 947
Dup 4484 10% anhydrous Bi but 4% Cobalt hydrox 7600 7533	4488 4489	1213 1233	1520 1553	1550 1570	990 1020	1577 1597	1607 1643	950 993
Dup 4484 10% Bi but 6% Cobalt hydrox 7550 7494	4490 4491	1233 1200	1533 1533	1587 1587	800 823	1573 1577	1610 1610	883 937
RA 1300 (1164 Screen) Expt 8300 8340	4510 4511	920 923	1040 1050	1067 1067	250 257			
RA 1301 (1164 Screen) Expt	4512 4513	920 927	1083 1067	1117 1117	303 263			
1256 green ald f Cake from tube 927-8 treated and dried NiOH. not being enough f mixed 200 mg of 927 with 900 mg 1123 fe 7445 270	4514	1220	1303	1323	470			

Ra 1300 m Expt (1164 Scan) 267	8135 8141	4515 4516	1113 1100
Ra 1301 m Expt 1164 Scan 255	7919 — 7873	4517 4518	1067 1067
Goldstein 544	8172 8227	4519 4520	1123 1113
Goldstein 553	7852 7771	4521 4522	1157 1157
Goldstein 554	7923 7951	4523 4524	1130 1120
Goldstein 555	8036 8010	4525 4526	1130 1093
Goldstein 556 252 4 27	7736 7697	4527 4528	1147 1123
Goldstein 541 270	8230 8101	4529 4530	117 1073

~~1273~~ ~~1233~~	~~1287~~ ~~1253~~	~~323~~ ~~310~~	0
~~1213~~ ~~1200~~	~~1243~~ ~~1227~~	~~307~~ ~~337~~	0
~~1243~~ ~~1240~~	~~1263~~ ~~1253~~	~~420~~ ~~440~~	0
~~1277~~ ~~1267~~	~~1300~~ ~~1283~~	~~370~~ ~~343~~	0
~~1280~~ ~~1257~~	~~1300~~ ~~1283~~	~~390~~ ~~403~~	0
~~1293~~ ~~1253~~	~~1310~~ ~~1283~~	~~387~~ ~~350~~	0
~~1287~~ ~~1270~~	~~1310~~ ~~1300~~	~~353~~ ~~370~~	0
~~1210~~ ~~1167~~	~~1307~~ ~~1253~~	~~457~~ ~~370~~	0

Note —

Goldstein 542 258D 8132 8125	4531 4532	1117 1117	1290 1210	1307 1253	457 370						
1256 new grass Reg — 4 26.9 1 gram Aluminum 2 gram Phos K Each cell Dump 9 [illegible] 7183 7180	4533 4534	1067 1070	600 707	750 787	67 187						
Dup 4533 1 Al 1 Zn hydrox	4535 4536	1187 1163	800 737	853 783	200 187						
Dup 4533 1 Al - 2 Mangan hydrox	4537 4538	1037 1053	840 847	907 907	253 223						
Dup 4219 Bi Except 2 grams Vanadate K B 254D 8246 8255	4539 4540	1113 1127	900 1093	933 1183	133 137	1310 1333	1393 1357	200 200	1173 1237	1267 1357	337 297
Dup 4219 Bi Except 2 grams Vanadate Soda 8430 8453	4541 4542	1050 1190	867 953	967 1040	147 137	1263 1313	1283 1333	200 200	1153 1313	1257 1350	283 217
1256 mixed with 10% B_2O_3 fused & 1% CuO both thru 100 on 190 1123 f 4 26.9 7525 7524 242	4543 4544	1153 1180	1443 1453	1450 1487	717 700	1453 1483	1510 1520	863 813			

Dup Except 4543 10% Bi 2% CuO 7600 7575	4545 4546	1197 1180	~~1447~~ ~~1443~~	~~1473~~ ~~1453~~	~~490~~ ~~703~~	~~1527~~ ~~1533~~	~~1577~~ ~~1577~~	~~860~~ ~~863~~	0
Dup 4543 - 10% Bi Except 4% CuO 7820 7872	4547 4548	1177 1180	~~1390~~ ~~1383~~	~~1400~~ ~~1400~~	~~697~~ ~~700~~	~~1467~~ ~~1483~~	~~1500~~ ~~1510~~	~~793~~ ~~777~~	0
Dup 4543 10% Bi Except 6% CuO 7896 7998	4549 4550	1163 1157	~~1377~~ ~~1377~~	~~1383~~ ~~1387~~	~~783~~ ~~803~~	~~1450~~ ~~1450~~	~~1473~~ ~~1473~~	~~860~~ ~~820~~	0
1256 mixed with 10% Bi.O then 100 on 190 1123 f 12% NaOH + 2 grams LiOH. 251 D 7496 7548	4551 4552	1260 1250	~~1387~~ ~~1400~~	~~1400~~ ~~1417~~	~~823~~ ~~823~~	~~1333~~ ~~1400~~	~~1490~~ ~~1538~~	~~957~~ ~~1003~~	|
Dup 4551 - 10% Bi Except 14% NaOH 2 LiOH.	4553 4554	1250 1250	~~1460~~ ~~1460~~	~~1513~~ ~~1510~~	~~927~~ ~~930~~	~~1433~~ ~~1433~~	~~1560~~ ~~1563~~	~~1057~~ ~~1063~~	|
Dup 4551 10% Bi Except 16% NaOH, 2 LiOH -	4555 4556	1230 1227	~~1490~~ ~~1503~~	~~1637~~ ~~1633~~	~~967~~ ~~967~~	~~1440~~ ~~1483~~	~~1620~~ ~~1620~~	~~1117~~ ~~1143~~	|
Dup 4551 10% Bi Except 18% NaOH 2 LiOH.	4557 4558	1250 1230	~~1553~~ ~~1530~~	~~1620~~ ~~1600~~	~~1027~~ ~~1003~~	~~1473~~ ~~1467~~	~~1660~~ ~~1650~~	~~1133~~ ~~1147~~	||

Note

Dup 4551 - 10% B1 20% NaOH. Zd1		4559 4560	1250 1237	1523 1500	1657 1647	1007 980	1385 1317	1607 1563	1163 1177	0
Dup 4551 22% NaOH Zd1 OH		4561 4562	1233 1233	1407 1390	1547 1507	1053 1060	1260 1260	1477 1427	1190 1200	0
Dup 4551 24% NaOH Zd1		4563 4564	1173 1200	1390 1443	1523 1590	1067 983	1400 1400	1633 1610	1030 833	0
Dup 4454 21K2L1 1 gm aluminum + 2 grams antimonic acid	7 134 7 100	4565 4566	1133 1133	0 267	367 653	113 100	0			
Goldstein 543 - 253 D	7868 7712	4567 4568	1200 1220	1183 1213	1193 1233	390 397	0			
Goldstein 545 273	8368 8330	4569 4570	1180 1133	1183 1167	1190 1177	393 400	0			
Goldstein 546 253 D	7760 7706	4571 4572	1190 1200	1177 1213	1167 1227	400 493	0			
Goldstein 547 234 D	7474 7364	4573 4574	1193 1177	1177 1180	1193 1187	457 460	0			

Goldslag 548 246 D	7688 7582	4575 4576	1193 1180	~~1183~~ ~~1177~~	~~1193~~ ~~1193~~	~~503~~ ~~517~~			
1/8" new Long Tube RR battery RA 1256 - thin 50 on 190 [illegible] punched) Ni f oxidized then thin Kapton [illegible] Flake 1.1 mils 7.3 green Dump green cheese fl then Tamp 307 D 309 296 Later 1/8 shorter than reg long tube		4577 4578 4579 4580 4581							
RA 1310 Expt (1164) Germ -	6795 6740	4587 4588	1030 1030	~~1110~~ ~~1080~~	~~1117~~ ~~1087~~	~~340~~ ~~340~~			
RA 1317 Expt - 241 D	7695 7737	4589 4590	1177 1150	~~1240~~ ~~1230~~	~~1250~~ ~~1240~~	~~483~~ ~~487~~	~~1187~~ ~~1257~~	~~1267~~ ~~1267~~	~~553~~ ~~473~~
RA 1318 Expt. 269 D	7737 7714	4591 4592	1173 1173	~~1227~~ ~~1230~~	~~1237~~ ~~1243~~	~~487~~ ~~493~~	~~1333~~ ~~1333~~	~~1370~~ ~~1373~~	~~680~~ ~~680~~
RA 1308 Expt (1164 Germ)	7220 7330	4593 4594	1000 1000	~~1113~~ ~~1087~~	~~1123~~ ~~1093~~	~~356~~ ~~850~~			
Lot 46 flake 4.8 1256 green Heavy flake	2411 7470 7508	4607 4608	1207 1190	~~1217~~ ~~1247~~	~~1227~~ ~~1250~~	~~570~~ ~~573~~	~~1273~~ ~~1230~~	~~1287~~ ~~1243~~	~~557~~ ~~557~~

	150		
4591	1313	1350	600
4592	1320	1363	641

41 flake [illegible]

Recovered Ni flake from SB Co long tube test runs – treated with 33% & 50% glycerin hot, then wash, then acid – Screen finer than 30 mesh out. 27.3 4.3 12.56 green 231 D	7145 7132	4609 4610	1190 1190	~~1273~~ ~~1277~~	~~1293~~ ~~1297~~	~~590~~ ~~577~~	~~1400~~ ~~1400~~	~~1450~~ ~~1453~~	~~843~~ ~~827~~
Goldstein 252 27-4 271 D 41f	8382 8363	4611 4612	1100 1100	~~1243~~ ~~1277~~	~~1253~~ ~~1297~~	~~527~~ ~~587~~	0		
Goldstein 254 - 263 D	8036 7961	4613 4614	1100 1100	~~1243~~ ~~1263~~	~~1257~~ ~~1283~~	~~570~~ ~~640~~	0		
Goldstein 256 41f 271 D	8177 8177	4615 4616	1100 1100	~~1200~~ ~~1227~~	~~1217~~ ~~1240~~	~~467~~ ~~413~~	0		
Goldstein 258 272 D	8433 8393	4617 4618	1067 1100	~~1223~~ ~~1250~~	~~1237~~ ~~1267~~	~~523~~ ~~538~~	0		
41f Goldstein 260 254 D	7778 7747	4619 4620	1067 1040	~~1230~~ ~~1190~~	~~1240~~ ~~1200~~	~~437~~ ~~430~~	1		

				200	12	H	250			300		
4609	1327	1433	757	1267	1397	787	1247	1380	477	1230	1393	700
4610	1333	1427	753	1267	1393	770	1250	1367	680	1200	1377	680

	Cold room					
4609	1067	1200	643	1030	1130	637
4610	1087	1150	603	1023	1213	627

all
41 flake

Watch

Goldstein 261- 265	7994 8002	4621 4622	1100 1100	1260 1257	1270 1270	567 577			
X Ni OH made by Edison grinding dry Ni Sulfate & NaOH dry - got wet stiff dough washed percolation pressed in hydraulic 300 at then crush thru 30 on 170	7309	4623	1043	1167	1173	380	1290	1317	543
Goldstein 262 267	8038 8035	4624 4625	1093 1093	1 1247 1250	1257 1263	460 420			
Dup of 4454 Except 1 grm Alum & 2 grms Potassium Ammonium Sulfate 233	7123 7129	4626 4627		0 0 0					
Dup 4454 - 1 grm Al - 2 grm Na Ammon Sulfate 41 f -		4628 4629		7 553	133 843	233 233			
1256 - 41 f - 1 grm Al + 2 grm Potassium Ammonium Chloride	7319 7235	4630 4631		373 703	937 867	390 417	Bad bent & slightly split		
Dup 4630 1 Al 2 Na Ammonium Chloride		4632 4633		0 0	980 1033	290 310			

	150			200	½	H	250	½	H	300	½	Hol	
4623	1290	1313	500	1320	1370	577	1313	1370	663	1340	1413	637	[illegible]

	350 Cold	½ room	Hot	400	½	#
4623	1183	1327	580	1097	1243	633

Has to be pressed
to get into granules

NOTE

Dry process
with Rolls seems
to be in most all
cases better than
Regular way
More bulky
& porous

Dup 4630 1 Al 2 gm Na Ammonium phosphate		4634 4635		Nothing					
Dup 4630 1 Al 2 K ammonium phos		4636 4637		Nothing					
NiOH made by Edison & Goldstein Dry Ni Sulfate dry Na & very		4638	1013	1187	1197	383	1300	1343	557
little water — pressed at ~~[illegible]~~	232D	4639	983	1153	1163	397	833	900	447
press 300 at, from 30 on 190 Very bulky before pressing	7099 232D 7017								
1/8 tubes 4 in one grid	1.968	4640		1460	1470	527	1597	1629	833
Each tube	1.965	4641		1457	1463	513	1540	1573	750
	1.968	4642		1413	1423	503	1527	1567	683
	2009	4643		1423	1433	523	1553	1587	857
				1438			1554		

	15°		
4638	1303	1357	550
4639	847	907	483
4640	1523	1590	733
4641	1497	1550	653
4642	1483	1530	640
4643	1527	1577	640
	1508		

1467	1573	677	1393	1507	737
1443	1550	683	1357	1477	763
1480	1573	700	1320	1433	667
1527	1607	790	1380	1513	657
1479					

	300			Coldroom			400	1/2	H,	450	1/2	H	500		
4640	1370	1507	757	1217	1380	697	1183	1297	627	1130	1217	767	1063	1130	80[illegible]
4641	1323	1463	793	1160	1337	733	1163	1293	667	1160	1250	797	1060	1130	80
4642	1333	1487	747	1187	1333	727	1153	1297	627	1103	1213	467	1040	1103	8[illegible]
4643	1393	1507	690	1250	1397	743	1223	1353	697	1220	1353	810	1140	1220	8[illegible]

Goldstein 264 41f 273D	8187 8085	4644 4645	1110 1117	1260 1267	1277 1283	500 623				
Goldstein 266 272D	8348 8367	4646 4647	1143 1127	1270 1270	1287 1287	543 567				
Goldstein 271 186D	5947 5890	4648 4649	1060 1057	1073 1077	1090 1093	500 497				
Goldstein 272 186D	5950 5897	4650 4651	1073 1.053	1113 1067	1130 1113	427 400				
Goldstein 273 227D	6906 6885	4652 4653	1160 1147	1233 1190	1247 1200	333 390				
Goldstein 274	7446 7436	4654 4655	1167 1167	1257 1283	1267 1283	400 483				
Goldsteins 275 226D	6755 6690	4656 4657	1157 1130	1197 1193	1210 1200	447 433				
Goldstein 276 224D	6943 6909	4658 4659	1167 1167	1220 1200	1230 1220	500 453	1267 1267	1293 1283	627 593	

Goldsln 277 251	7520 7457	4660 4661	1147 1130	1233 1230	1243 1240	403 417				
Goldsln 278 261	7960 7888	4662 4663	1110 1103	1220 1273	1240 1283	350 420				
Goldsln 279 256	7658 7711	4664 4665	1100 1110	1233 1257	1250 1263	413 397				
Goldsln 280 254	7568 7518	4666 4667	1130 1170	1267 1327	1277 1343	443 503	1287 1350	1310 1373	600 600	
Lot 47 f 2318 1256 n.oH 4.5 273	7520 7494	4668 4669	1193 1180	1410 1310	1420 1323	720 593				
RA 1303 Expmt (1164 series) 229	6401 6408	4682 4683	990 987	1190 1290	1203 1297	357 357	1133 1133	1150 1147	523 533	
RA 1304 Expmt	6520 6450	4684 4685	1007 1000	1270 1193	1233 1210	353 353	1197 1173	1213 1187	527 530	
Ra Expt – 1305	6525 6513	4686 4687	867 867	1133 1120	1147 1130	447 440				

Ra 1309 Expt 257 D fine granular soft crumbly	7 298 7 280	4688 4689	907 913	1133 1157	1143 1167	350 347			
Ra 1311 Expt 245 D.	6 841 6 949	4690 4691	983 987	1147 1147	1157 1157	347 343			
Ra 1312 Expt 236	6 674 6 753	4692 4693	1027 1033	1133 1133	1143 1140	393 380			
Ra 1315 Expt. 238	6.704 6.694	4694 4695	987 990	1120 1140	1127 1157	383 390			
Ra 1321 Expt. 277 D	7 762 7 729	4696 4697	943 923	1140 1140	1153 1156	397 397			
~~G~~ Goldstein 281- [illegible] - 4 - 267 272 D	8 104 8 143	4702 4703	1077 1080	1267 1260	1280 1273	473 480			
Goldstein 282 264 D	8 116 8 110	4704 4705	1033 1057	1293 1267	1307 1283	457 450			
Goldstein 283- 245 D	7 444 7 403	4706 4707	990 1030	1210 1257	1220 1267	367 367	1267 1313	1290 1330	397 393

Goldstein 284 253 D	7702 7773	4708 4709	1000 997	1247 1243	1257 1250	343 343	1317 1317	1333 1333	577 557
Goldstein 285 253 D	7798 7712	4710 4711	1030 1000	1267 1257	1280 1267	347 348	1360 1353	1380 1370	440 450
Goldstein 286 266 D	8144 8170	4712 4713	987 990	1230 1250	1243 1260	393 387			
Goldstein 561 — $Ni(OH)_2$ & Thalium hydrox 41f 4 26.7 242 D Soft Colg - very bulky	7486 7533	4714 4715	920 920	1140 1140	1150 1150	393 390			
Goldstein 562 $Ni(OH)_2$ & Thalium Hydrox 234 D	7215 7235	4716 4717	913 913	1150 1163	1160 1177	403 480			
Goldstein 563 — $Ni(OH)_2$ & Lanthanum hydrox. $La(OH)_3$ 210 D Soft Colg very bulky	6574 6510	4718 4719	997 990	1100 1083	1120 1100	593 647	1180 1183	1207 1200	457 460
Goldstein 565 201 D Very soft—Creased fingers	5729 5731	4720 4721	809 800				717 723	737 750	427 440

4 25 —

NOTE

	150			
4718	1213	1257	1000	0
4719	1187	1247	690	

				100	½	H
Goldstein 287 245D	7376 7400	4722 4723	1067 1090	1237 1263	1250 1280	397 407
Goldstein 267 258D	7841 7897	4724 4725	1097 1120	1297 1303	1330 1337	430 433
Goldstein 289 254D	7885 7859	4726 4727	1050 1053	1297 1310	1363 1357	463 467
Goldstein 266D	8140 8104	4728 4729	1133 1160	1377 1360	1433 1420	610 667
Goldstein 291 252D	7655 7673	4730 4731	1117 1160	1293 1327	1313 1370	497 570
Goldstein 292 257D	7813 7819	4732 4733	1127 1127	1303 1293	1347 1320	567 530
Goldstein 293- 249D	7313 7328	4734 4735	1190 1213	1343 1393	1413 1457	670 700
Goldstein 294 269D	7978 7976	4736 4737	1207 1193	1320 1380	1390 1443	687 727
Goldstein 295 275D	8330 8320	4738 4739	1133 1127	1313 1397	1380 1460	663 730

What is it

150

4734	1383	1433	940
4735	1413	1453	970

What is it

				100	1/2	H
Goldstein 296 258D	7946 7926	4740 4741	1170 1147	1307 1297	1457 1340	630 600
Goldstein 297- 265D	8095 8097	4742 4743	1150 1163	1297 1313	1353 1363	633 657
Goldstein 298 251D	7851 7765	4744 4745	1197 1200	1350 1320	1393 1367	750 770
Goldstein 299 251D	7654 7652	4746 4747	1183 1163	1320 1290	1367 1330	713 703
Goldstein 300 258D	7714 7681	4748 4749	1163 1147	1297 1300	1343 1343	667 603
Goldstein 301 275D	8327 8351	4750 4751	1120 1097	1330 1273	1383 1310	840 723
Goldstein 302 274	8112 8154	4752 4753	1127 1150	1317 1197	1373 1220	663 667
Goldstein 303- 254D	7699 7721	4754 4755	1167 1167	1290 1317	1330 1360	627 623
Goldstein 304 258D	7666 7724	4756 4757	1123 1150			

							100		
Galdsban 305 — 267D	7 941 8 006	4758 4759	1127 1153				1300 1293	1350 1327	590 540
Galdilean 584 — Conc NiSO4 — 33% NaOH, precip pressed in cloth 41 f 4 27.2 Drying then f — Crushed fingers very bulky soft. 210D	6 502 6 557	4760 4761	923 943				1180 1240	1197 1273	413 483
Dup 4760 — pressed into Cake at 300 atmos — then Crushed & screened thru 30 on 190 227D	6 829 6 821	4762 4763	927 923				1200 1200	1223 1217	457 427
RA Reg green Dup 4351 use the short cans to put as last. No 1280 265D	7715 7625	4764 4765	1147 1167				1247 1250	1271 1277	543 510
Dup 4764 Except use long Cans —		4766 4767	1167 1167				1207 1223	1233 1263	493 460
Ra 1314 (1164 Sept) 259	7 253 7 300	4774 4775	938 960	1153 1170	1163 1177	310 317			
Ra 1322 (1164 Sept) 274	7787 7871	4776 4777	903 900	1170 1103	1117 1113	317 280			
Ra 1316 — (1164 E) 240	6 877 6 867	4778 4779	950 967	1080 1090	1100 1110	360 323			

Ra 1320 (1164Ex) 274D	7659 7642	4780 4781	923 927	1083 1083	1090 1093	323 320	
Ra 1323 (1164Ex) 263	7634 7608	4782 4783	927 940	1120 1127	1133 1140	273 273	100
Ra 1324 (1164Ex) 246	7034 7148	4784 4785	1013 1007	1163 1163	1170 1173	363 390	1200 1227
Ra 1326 (1164Ex)	7260 7313	4786 4787	983 983	1180 1163	1190 1193	313 313	1227 1233
Ra 1325 237	6758 6776	4788 4789	1020 1023	1110 1167	1117 1173	397 393	
Dup of 4333 – Ra 1293 – 41 f 4.3 24.2 Run in long Cans, reg treated Fes, clipd dives clipd 1 yr 270D	7687 7674	4790 4791	1180 1207	1227 1263	1233 1270	353 367	
Dup 4790 Except used clean Fes before being treated		4792 4793	1150 1180	1233 1240	1240 1250	380 370	
Dup 4333 (Ra 1293) Except use 36 flake 272D Long Cans	7558 7558	4794 4795	1187 1200	1260 1237	1263 1247	423 467	
Dup 4333 (Ra 1293) Except use 33 flake 269 Long Cans	7531 7537	4796 4797	1227 1210	1260 1243	1267 1257	467 477	

1083 on 50th Run

Note Long Cans
dif flakes

NOTE

Note big LiOH for Bi

Dup 4333 (Ra 1293) Except 1123 f. 266 A long cans	7524 7574	4798 4799	1220 1190	1227 1197	1237 1210	430 430				
Dup 4335 (Ra 1294) 41 f long cans 284 A	7758 7798	4800 4801	1120 1097	1190 1193	1197 1200	357 367				Note that 1293 Ra is worse with 41 flake + 1123 f —
Dup 3882 — Golden 483 (see other dry) 41 f 27 — 21K 3 Li long cans 257 A	7740 7810	4802 4803	1393 1410	1627 1650	1700 1720	1093 1043	1547 1543	1593 1623	1120 1097	tube burst in one piece
Dup 4802 — Except 21K 4 Li 252	7670 7700	4804 4805	1427 1433	1650 1633	1687 1667	1140 1150	1467 1467	1567 1557	1023 1107	
1256 Ni — 41 f 21K 10% K Chloride [illegible] bursting [illegible]		4806 4807	587 630							OK 3 runs
1/4 inch cubes 197 B2 Stock f = 1 Ra 1256 — 7.2 Dup 7 green then flange 247 21K 10% K chloride for bursting 261	2035 2082	4808 4809	297 300							Bad bent. 3 Runs 1 burst at seam
Lot 48 flake 23.7 4.6 1256 NiOH.	7593 7557	4810 4811	1170 1193	1240 1293	1250 1300	490 490				
Golden 585 used pressure NiSO4 cry + 33% NaOH sol 199 A	6092 6063	4812 4813	833 833	1053 1050	5060 1057	277 277				
Golden 590 7% Na2SO4 27% NiSO4 sol 33% NaOH 203 —	6270 6229	4814 4815	933 940	1060 1123	1167 1133	317 817				

	150	1/2	H	200	1/2	H
4802	1520	1620	1017	1.433	1507	1300
4803	1593	1750	1193	1437	1530	1270

NOTE

What is this

250	1/2	H	308	1/2	H
1533	1617	1043	1260	1387	1027
1520	1617	1067	1343	1453	1107

	350		
4802	1300	1500	1183
4803	1313	1483	1150

What is it — note

N. OH recovered from 3 used tubes 12664+12880 flakes up by magnet. after removing perox To N. OH₂	6944 6925	4816 4817	1013 980	~~1227 1167~~	~~1250 1200~~	~~573 563~~	~~1233 1260~~	~~1267 1220~~	~~793 693~~	
Golden 558 268	7981 7996	4818 4819	1050 1027	~~1313 1297~~	~~1323 1317~~	~~413 410~~				
Golden 559 260	8091 9049	4820 4821	1030 1030	~~1333 1327~~	~~1353 1343~~	~~457 473~~				
Golden 560 240	7524 7663	4822 4823	1030 1057	~~1293 1313~~	~~1317 1327~~	~~427 377~~	~~1280 1303~~	~~1317 1330~~	~~663 667~~	
Dup 4812 Except pressed N. OH in balloons, 225	6821 6801	4824 4825	710 713	~~1097 1103~~	~~1110 1127~~	~~300 300~~				
Dup 4814 Except pressed N. OH. with balloons 225	6821 6801	4826 4827	890 890	~~1180 1150~~	~~1190 1180~~	~~363 340~~				
Golden 306 256	8037 8000	4828 4829	1037 1063	~~1290 1303~~	~~1310 1310~~	~~393 443~~				
Golden 310 270	8167 8011	4830 4831	983 1013	~~1233 1300~~	~~1287 1360~~	~~437 503~~				
Golden 311 253	7625 7606	4832 4833	1027 1017	~~1297 1280~~	~~1310 1307~~	~~320 367~~				

	150	1/2	Ht
4816	1317	1360	630
4817	1237	1273	543

Gold soln 314 ~~268~~	7879 7967	4834 4835	1037 1027	1283 1310	1303 1327	367 363						
Gold soln 316 240	7305 7292	4836 4837	1150 1110	1283 1240	1317 1280	473 437						
Gold soln 316 [illegible] 226 27.3 3.2	7145 7066 7.144	4838 4839	1083 1043	1233 1230	1313 1240	347 357						
Recovered flake from long tube run 3 times 27.3 3.2	7.194	4840	1200	1440	1460	517	1363	1413	833	1317	1460	583
Gold soln 318 225	6830 6837	4841 4842	1123 1110	1210 1217	1233 1240	387 400						
Gold soln 321 236	7440 7405	4843 4844	1023 983	1263 1260	1273 1270	320 303						
Gold soln 323 223	6790 6840	4845 4846	1013 1020	1247 1247	1257 1257	370 350						
Gold soln 325 263	8107 8134	4847 4848	983 983	1233 1240	1310 1290	437 440						
Gold soln 326 261	8135 8077	4849 4850	1020 1043	1250 1293	1260 1307	350 387						

4840 | 1293 | 1463 | 848 | 1240 | 1397 | 463

3/00 1/2 15

997 | 1133 | 607 | ll

Goldstein 327	258	8012 8074	4851 4852	1013 993		1280 1253	1307 1260	430 390
Goldstein 328	251	7635 7692	4853 4854	1100 1113		1270 1268	1300 1310	420 407
Goldstein 329	270	8178 8225	4855 4856	1000 980		1263 1257	1300 1267	393 417
Goldstein 330	272	8218 8223	4857 4858	933 980		1227 1227	1300 1300	450 390
Goldstein 332	261	8037 8057	4859 4860	980 913		1257 1257	1277 1273	307 390
Goldstein 333	258	8030 8124	4861 4862	1050 1053		1257 1290	1263 1300	403 353
Goldstein 557	254	7644 7600	4863 4864	1057 1050		1263 1237	1283 1250	353 307
Goldstein 565 saturated with Carbonic acid bulky	187	5780 5770	4865 4866	1063 1080		1087 1127	1123 1163	393 408

slide open file

26.6 4.

[illegible] 336	7477	4867	1133	1237	1257	363			
248	7594	4868	1157	1293	1317	383			
[illegible] 341	8023	4869	1110	1307	1327	403			
261	7996	4870	1090	1283	1263	367			
[illegible] 343	8272	4871	1033	1243	1277	420			
266	8305	4872	1043	1230	1253	430			
[illegible] 348	8050	4873	1030	1227	1243	480			
261	7900	4874	1033	1247	1273	513			
[illegible] 350	8213	4875	1090	1290	1310	500			
	8160	4876	1083	1293	1313	533			
[illegible] 355	7040	4877	1133	1280	1297	420	1277	1313	617
231	6918	4878	1120	1250	1276	387	1260	1283	630
[illegible] 356	7110	4879	1143	1233	1250	423	1253	1263	687
228	7055	4880	1133	1243	1260	447	1263	1287	667
[illegible] 357	7188	4881	1157	1293	1307	477	1323	1347	610
232	7216	4882	1157	1273	1297	467	1293	1330	610

[illegible] 254	7718 7808	4883 4884	1133 1133	~~1280~~ ~~1300~~	~~1307~~ ~~1320~~	~~460~~ ~~487~~			
[illegible] 259 234	7066 7083	4885 4886	1117 1143	~~1257~~ ~~1273~~	~~1273~~ ~~1300~~	~~463~~ ~~440~~	~~1263~~ ~~1283~~	~~1283~~ ~~1317~~	~~610~~ ~~610~~
[illegible] 360 242	7454 7452	4887 4888	1110 1123	~~1213~~ ~~1297~~	~~1243~~ ~~1330~~	~~433~~ ~~467~~			
[illegible] 361 218	7657 7578	4889 4890	1127 1127	~~1300~~ ~~1230~~	~~1315~~ ~~1247~~	~~473~~ ~~430~~			
[illegible] 362 264	8157 8137	4891 4892	1053 1057	~~1230~~ ~~1250~~	~~1247~~ ~~1280~~	~~537~~ ~~527~~	~~1260~~ ~~1330~~	~~1317~~ ~~1357~~	~~697~~ ~~720~~
[illegible] 363 215	6849 6737	4893 4894	1147 1133	~~1227~~ ~~1207~~	~~1240~~ ~~1223~~	~~330~~ ~~383~~	~~1227~~ ~~1227~~	~~1247~~ ~~1237~~	~~597~~ ~~593~~
[illegible] 364 255	7683 7712	4895 4896	1133 1133	~~1280~~ ~~1283~~	~~1303~~ ~~1307~~	~~387~~ ~~887~~			
[illegible] 365 241	7321 7306	4897 4898	1190 1183	~~1277~~ ~~1287~~	~~1303~~ ~~1300~~	~~417~~ ~~423~~			

Accelerator 366	7356	4899	1183	1290	1307	390	1320	1330	600	X	
231	7345	4900	1183	1313	1330	883	1350	1370	603		
Gold [illegible] 367		4901	1193	1317	1330	427					
	8221	4902	1180	1290	1313	440					
	8197										
Lot 49 f 1256 grams 4.4		4903	1233	1333	1353	590					
Half Cake	7367	4904	1240	1337	1350	640					
	4449										
554 [illegible] 20% Bi [illegible] 100		4905	1107	Nothing							
[illegible] 190 — 1173 f 4 275 X		4906	1147								Bad
21KZLi 2 Selenate K											
	8080										
	8030										
Dup 4905 20% Antimony Bi		4907	1140	Nothing							
21KZLi 2 Selenate Soda		4908	1167								
Dup 4905 20% Antimony Bi		4909	1193	643	977	67					Bad
21KZLi 2 Zirconate Potash		4910	1167	800	1167	17					
Dup 4905 20% Antimony Bi		4911	1153	1143	1160	203					Bad
4 21KZLi 2 Titanate Potash		4912	1130	1093	1113	393					

Note gain —

			50	1/2	H	100	1/2	H
RA 1294 Reg Tubes that have right size holes - 4.3 23.9 = 277 D 7673 7718	4913 4914	1180 1177	~~1107~~ ~~1263~~	~~1280~~ ~~1290~~	~~427~~ ~~443~~	~~1293~~ ~~1320~~	~~1330~~ ~~1333~~	~~607~~ ~~607~~
From this group on Tubes have proper sized holes -								
RA 1296 - 4.3 24.2 268 D 7586 7602	4915 4916	1193 1200	~~1263~~ ~~1267~~	~~1290~~ ~~1313~~	~~500~~ ~~587~~	~~1323~~ ~~1330~~	~~1343~~ ~~1350~~	~~690~~ ~~693~~
Gulda 576 10% additional Na_2SO_4 in precipitate, added 240 7009 7030	4917 4918	1117 1117	~~1287~~ ~~1367~~	~~1300~~ ~~1390~~	~~477~~ ~~417~~	~~1257~~ ~~1393~~	~~1280~~ ~~1420~~	~~687~~ ~~700~~
Galda 577 20% Extra Na_2SO_4 added to precip. 7751 7489	4919 4920	1107 1110	~~1383~~ ~~1650~~	~~1400~~ ~~1140~~	~~360~~ ~~357~~	~~1433~~ ~~1090~~	~~1453~~ ~~1117~~	~~673~~ ~~457~~
30% additional Na_2SO_4 7257 7173	4921 4922	1100 1113	~~1353~~ ~~1367~~	~~1370~~ ~~1393~~	~~463~~ ~~522~~	~~1390~~ ~~1417~~	~~1420~~ ~~1443~~	~~587~~ ~~630~~

NOTE

4913	1327	1360	437	0
4914	1343	1383	450	

Note

40% add. Total Na_2SO_4 added to precip 248	7493 – 7435	4923 4924	1133 1133
gold soln 582 204 [illegible]	6395 6408	4925 4926	1060 1060
gold soln 588 230	6952 6988	4927 4928	1063 1063
gold soln 589. 10% $Er(OH)_3$ added –	6831 6763	4929 4930	1100 1097
gold soln 368 263 –	7600 7601	4931 4932	1060 1073
gold soln 369 240	7437 7504	4933 4934	1150 1150
gold soln 371 267	7982 7930	4935 4936	1047 1077
Ra (1164) expt	7484 7811	4949 4950	9233 9130

Note ? ?

Note Capacy + cot

NOTE

1367 1390	1387 1487	513 510	1417 1387	1443 1417	587 630	0
1273 1277	1293 1300	460 460	1329 1330	1350 1357	660 670	|
1117 1123	1133 1143	567 640	1327 1330	1350 1357	660 630	0
1033 1013	1057 1030	887 857	930 920	957 933	693 693	0
1357 1400	1387 1430	422 440	1397 1447	1423 1473	553 583	0
1133 1253	1177 1287	487 537	|			
1317 1410	1353 1430	427 420	1347 1487	1380 1513	590 650	0
1133 1130	1147 1173	317 317	0			

Ra (1164 Expt)	7312 7403	4951 4952	967 970			~~1183 1220~~	~~1200 1250~~	~~323 343~~	~~0~~				
Ra (1164 Expt)	7996 7952	4953 4954	8670 887			~~1133 800~~	~~1167 830~~	~~263 133~~	~~|~~				
Lot 51 flake · 4.2 23.7 278	7439 – 7495	4955 4956	1150 1133			~~1133 1300~~	~~1187 1327~~	~~457 430~~	~~1147 1327~~	~~1180 1350~~	~~673 677~~	~~↓~~	~~[illegible]~~
Qaldah 372	6562 6526	4957 4958	1090 1110			~~1097 1213~~	~~1133 1250~~	~~433 427~~	~~1123 1187~~	~~1147 1227~~	~~610 647~~	~~0~~	
Qaldah 373 245	7404 7482	4959 4960	1093 1077			~~1297 1380~~	~~1353 1400~~	~~453 357~~	~~1307 1407~~	~~1327 1433~~	~~690 703~~	~~|~~	
Qaldah 374 258	7550 7500	4961 4962	1160 1183			~~1117 1347~~	~~1167 1367~~	~~430 427~~	~~||~~				
Qaldah 375 236 -	7257 7315	4963 4964	1040 1033			~~1390 1390~~	~~1477 1477~~	~~427 420~~	~~1427 1433~~	~~1447 1433~~	~~740 727~~	~~0~~	
Qaldah 376 228	6964 7090	4965 4966	1027 1033			~~1327 1327~~	~~1350 1350~~	~~417 420~~	~~1367 1347~~	~~1397 1370~~	~~580 557~~	~~0~~	

Goldsh 377	219	6783 6884	4967 4968	1173 1183	1277 1327	1290 1337	287 327	1293 1373	1313 1397	453 573	
Goldsh 378	253	7481 7507	4969 4970	1207 1193	1377 1340	1390 1360	347 383	1420 1387	1443 1420	500 510	
Goldsh 379 See what it is	235	7240 7266	4971 4972	1150 1193	1353 1370	1367 1390	407 410	1410 1423	1430 1443	520 553	What is it
Goldsh 380	242	7450 7494	4973 4974	1183 1200	1370 1370	1390 1390	423 357	1410 1397	1437 1423	560 497	
Goldsh 381 see what it is	243	7324 7360	4975 4976	1183 1177	1373 1387	1390 1397	417 393	1410 1430	1440 1453	537 597	What is it
Goldsh 384-	262	7900 7900	4977 4978	1223 1203	1387 1370	1410 1397	397 427	1440 1427	1490 1453	587 623	
Goldsh 386	220	6875 6890	4979 4980	1193 1200	1370 1350	1380 1367	453 437	1377 1367	1400 1397	653 637	
Goldsh 387	246 -	7466 7520	4981 4982	1177 1177	1367 1413	1387 1430	433 490	1383 1457	1410 1480	570 600	
Goldsh 388	250	7505 7547	4983 4984	1210 1200	1373 1367	1353 1387	520 500	1400 1397	1440 1423	640 620	

	150	1/2	H	200	1/2	H	250	1/2	H	300	1/2	H
4971	1400	1433	530	1423	1483	410	1510	1553	770	1377	1463	627
4972	1427	1467	560	1357	1473	457	1573	1640	880	1430	1547	737
4975	1400	1437	527	1423	1473	430	1487	1527	703	1333	1463	660
4976	1427	1467	527	1467	1533	480	1492	1553	817	1387	1513	657
4979	1360	1400	560									
4980	1393	1427	523									

What is it

					50			100		
Goldsh 389	229	6954 7035	4985 4986	1157 1177	1353 1327	1370 1343	460 450	1400 1350	1430 1373	650 590
Goldsh 390	252	7786 7827	4987 4988	1183 1193	1367 1417	1387 1437	437 453	1440 1480	1473 1510	613 613
ni on Top heater Low Temp Long Time -										
Goldsh 391	240	7273 7338	4989 4990	1183 1183	1380 1367	1393 1383	350 350	1410 1393	1440 1427	583 630
Goldsh 392.	235	7480 7458	4991 4992	1197 1197	1377 1377	1397 1393	517 430	1427 1410	1457 1440	633 633
Goldsh 393	239	7443 7503	4993 4994	1197 1187	1350 1350	1370 1370	467 460	1393 1380	1427 1410	710 677
Goldsh 394.	250	7565 7657	4995 4996	1180 1170	1363 1377	1383 1403	433 460	1413 1433	1450 1463	653 647
Goldsh 571	262	7826 7908	4997 4998	1203 1230	1383 1357	1400 1383	563 617	1433 1413	1463 1450	703 687
Goldsh 571	262	7700 7728	4999 5000	1223 1233	1330 1383	1383 1407	517 557	1380 1437	1417 1467	687 737
Goldsh 572 dried in covered dishes.	242	7438 7400	5001 5002	1223 1200	1293 1310	1310 1327	440 530	1333 1347	1363 1373	630 707

	150			200		
4985	1400	1447	557	Q		
4986	1397	1427	523			
4987	1440	1477	520	1487	1533	503
4988	1460	1507	520	1510	1600	530

1530	1577	617	1443	1560	620
1573	1620	687	1417	1533	653

What is it

Note good & Regular

Burst 2 plan
" 4 "

				350	1/2	H
4987	1523	1583	X	1297 x	1490	680
4988	1447	1567		1177 x	1417	690

What is it